

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
16 June 2005 (16.06.2005)

PCT

(10) International Publication Number
WO 2005/054242 A1

(51) International Patent Classification⁷: **C07D 471/04**,
487/04, 498/04, A61K 31/437, 31/4985, A61P 25/28

Robin, Havard [GB/GB]; Muscagen Limited, 12 Belgrave
Court, 25 Cowbridge Road East, Cardiff CF1 9BJ (GB).

(21) International Application Number:
PCT/GB2004/005096

(74) Agent: **NASH, David, Allan**; Haseltine Lake, Redcliff
Quay, 120 Redcliff Street, Bristol BS1 6HU (GB).

(22) International Filing Date: 6 December 2004 (06.12.2004)

(81) Designated States (*unless otherwise indicated, for every
kind of national protection available*): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD,
MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG,
PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM,
TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM,
ZW.

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
0328295.1 5 December 2003 (05.12.2003) GB

(71) Applicant (*for all designated States except US*): **MUSCA-
GEN LIMITED** [GB/GB]; 12 Belgrave Court, 25 Cow-
bridge Road East, Cardiff CF1 9BJ (GB).

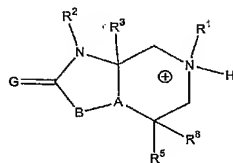
(72) Inventors; and

(75) Inventors/Applicants (*for US only*): **BUFFAT, Maxime**
[GB/GB]; Muscagen Limited, 12 Belgrave Court, 25 Cow-
bridge Road East, Cardiff CF1 9BJ (GB). **THOMAS, Eric,**
James [GB/GB]; Muscagen Limited, 12 Belgrave Court,
25 Cowbridge Road East, Cardiff CF1 9BJ (GB). **DAVIES,**

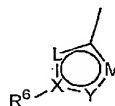
(84) Designated States (*unless otherwise indicated, for every
kind of regional protection available*): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, MC, NL, PL, PT, RO,
SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN,
GQ, GW, ML, MR, NE, SN, TD, TG).

[Continued on next page]

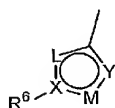
(54) Title: MUSCARINIC AGENTS AS THERAPEUTIC COMPOUNDS



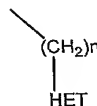
(I)



(II)



(III)



(IV)

(57) Abstract: Muscarinic agonists of the formula (I) with M1 selectivity which are useful as agents for stimulating the cognitive functions of the brain.

WO 2005/054242 A1



Published:

- with international search report
- before the expiration of the time limit for amending the claims and to be republished in the event of receipt of amendments

For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.